

(12) **United States Design Patent** (10) **Patent No.:** **US D737,769 S**  
**Zsolcsak et al.** (45) **Date of Patent:** **\*\* Sep. 1, 2015**

(54) **BATTERY PACK FOR AN INSOLE**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Schawbel Technologies LLC**, Bedford, MA (US)

CN 2281677 5/1998  
CN 2515992 Y 10/2002

(Continued)

(72) Inventors: **Veronica M. Zsolcsak**, Newburyport, MA (US); **Micha Eizen**, Lake Forest, CA (US); **Thomas John William Bayes**, Rothwell (GB); **Ian Nicholson Whitehead**, Concord, MA (US)

OTHER PUBLICATIONS

International Search Report and Written Opinion mailed on Sep. 3, 2014, for International Patent Application No. PCT/US2014/033499, filed Apr. 9, 2014, (10 pages).

(Continued)

(73) Assignee: **Schawbel Technologies LLC**, Burlington, MA (US)

*Primary Examiner* — Rosemary K Tarcza

(\*\*) Term: **14 Years**

(74) *Attorney, Agent, or Firm* — Brown Rudnick LLP

(21) Appl. No.: **29/487,530**

(57) **CLAIM**

The ornamental design for a battery pack for an insole, as shown and described.

(22) Filed: **Apr. 9, 2014**

(51) **LOC (10) Cl.** ..... **13-02**

(52) **U.S. Cl.**

USPC ..... **D13/119**

(58) **Field of Classification Search**

USPC ..... D13/102–104, 110, 118–121, 184, 199;  
429/96–100, 163, 176; 320/107;  
219/211

See application file for complete search history.

**DESCRIPTION**

FIG. 1 illustrates a top front perspective view of an embodiment of a battery pack for an insole employing an ornamental design in accordance with the present invention;

FIG. 2 illustrates a top view of the battery pack for an insole of FIG. 1;

FIG. 3 illustrates a bottom view of the battery pack for an insole of FIG. 1;

FIG. 4 illustrates a first side view the battery pack for an insole of FIG. 1;

FIG. 5 illustrates a second side view of the battery pack for an insole of FIG. 1, wherein the second side view is opposite of the first side view;

FIG. 6 illustrates a front view of the battery pack for an insole of FIG. 1; and,

FIG. 7 illustrates a back view of the battery pack for an insole of FIG. 1.

The broken lines are included for the purpose of illustrating unclaimed portions of the battery pack for an insole and form no part of the claimed design.

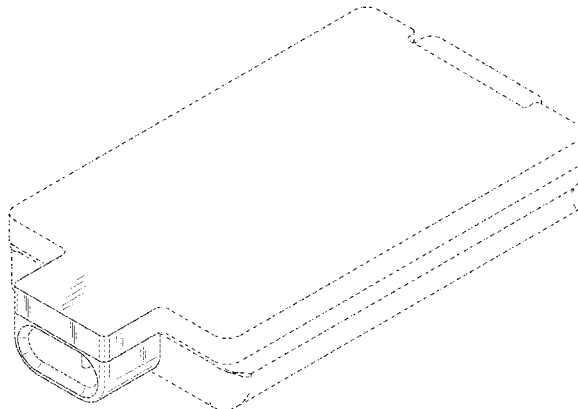
(56) **References Cited**

U.S. PATENT DOCUMENTS

3,360,633 A 12/1967 Weisberger  
3,800,133 A 3/1974 Duval  
4,507,877 A 4/1985 Vaccari et al.  
4,665,301 A 5/1987 Bondy  
4,823,482 A 4/1989 Lakic  
D303,524 S 9/1989 Siegner et al.  
4,894,931 A 1/1990 Senec et al.  
4,910,881 A 3/1990 Baggio et al.  
5,041,717 A 8/1991 Shay, III et al.  
D320,212 S \* 9/1991 Someya ..... D14/242  
5,230,170 A 7/1993 Dahle

(Continued)

**1 Claim, 5 Drawing Sheets**



## US D737,769 S

Page 2

(56)

## References Cited

## U.S. PATENT DOCUMENTS

5,495,682 A 3/1996 Chen  
 5,623,772 A 4/1997 Sunderland et al.  
 5,875,571 A 3/1999 Huang  
 5,882,106 A 3/1999 Galli  
 5,956,866 A 9/1999 Spears  
 D432,493 S 10/2000 Killebrew et al.  
 D440,201 S \* 4/2001 Huynh et al. .... D13/103  
 D486,789 S 2/2004 Santiago  
 6,701,639 B2 3/2004 Treptow et al.  
 6,841,757 B2 1/2005 Marega et al.  
 6,865,825 B2 3/2005 Bailey, Sr. et al.  
 D528,075 S 9/2006 Sugeno et al.  
 D533,832 S 12/2006 Hock  
 D538,225 S 3/2007 Lyman et al.  
 D538,226 S 3/2007 Lyman et al.  
 D546,277 S 7/2007 Andre et al.  
 D552,081 S \* 10/2007 Yano ..... D14/214  
 D602,432 S \* 10/2009 Moussa ..... D13/110  
 D609,180 S \* 2/2010 Suzuki et al. .... D13/110  
 D637,552 S 5/2011 Inman et al.  
 7,985,502 B2 7/2011 Abe et al.  
 D642,517 S 8/2011 Inman et al.  
 8,074,373 B2 12/2011 Macher et al.  
 D654,429 S 2/2012 Li et al.  
 D660,798 S \* 5/2012 Tseng ..... D13/110  
 D682,195 S \* 5/2013 Aglassinger ..... D13/103  
 D685,729 S 7/2013 Lyman  
 D686,157 S \* 7/2013 Kawase et al. .... D13/119  
 8,510,969 B2 8/2013 Luo  
 D689,019 S 9/2013 Sato et al.  
 D694,176 S 11/2013 Buetow et al.  
 D698,313 S \* 1/2014 Buetow et al. .... D13/119  
 D699,178 S 2/2014 Ashida et al.  
 D699,179 S 2/2014 Alexander  
 D700,135 S 2/2014 Sato et al.  
 8,850,716 B2 10/2014 Whitehead et al.  
 8,869,428 B1 10/2014 Zsolcsak et al.  
 2003/0114902 A1 6/2003 Prescott  
 2005/0126049 A1 6/2005 Koenig  
 2006/0283050 A1 12/2006 Carnes et al.  
 2007/0039201 A1 2/2007 Axinte  
 2008/0016715 A1 1/2008 Vickroy

2008/0069524 A1 3/2008 Yamauchi et al.  
 2008/0083720 A1 4/2008 Gentile et al.  
 2008/0197126 A1 8/2008 Bourke et al.  
 2009/0013554 A1 1/2009 Macher et al.  
 2010/0192406 A1 8/2010 Au  
 2011/0107771 A1 5/2011 Crist et al.  
 2011/0296714 A1 12/2011 Holzer  
 2013/0174451 A1 7/2013 Kremer et al.  
 2013/0181662 A1 7/2013 Shapiro  
 2013/0213147 A1 8/2013 Rice et al.  
 2013/0244074 A1 9/2013 Kremer et al.  
 2014/0182163 A1 7/2014 Krupenkin et al.  
 2014/0222173 A1 8/2014 Giedwoyn et al.  
 2014/0277632 A1 9/2014 Walker

## FOREIGN PATENT DOCUMENTS

CN 201976877 U 9/2011  
 DE 20317143 U1 4/2004  
 DE 10352050 A1 12/2004  
 DE 102008029727 A1 12/2009  
 EP 2215918 A2 8/2010  
 KR 20-0273770 4/2002  
 WO 2006/111823 A1 10/2006  
 WO 2008/006731 A1 1/2008  
 WO 2008/069524 A1 6/2008  
 WO 2013101920 A1 7/2013

## OTHER PUBLICATIONS

International Search Report and Written Opinion for International application No. PCT/US12/23986 filed Feb. 2, 2012 and mailed on May 23, 2012, (7 pages).

International Search Report and Written Opinion mailed on Apr. 22, 2013, for International Patent Application No. PCT/US2012/071797, filed Dec. 27, 2012, (9 pages).

Kenisarin et al., 2007, Solar energy storage using phase change materials, Renewable and Sustainable Energy Reviews, 11(9):1913-1965.

Sharma et al., 2009, Review on thermal energy storage with phase change materials and applications, Renewable and Sustainable Energy Reviews, 13(2):318-345.

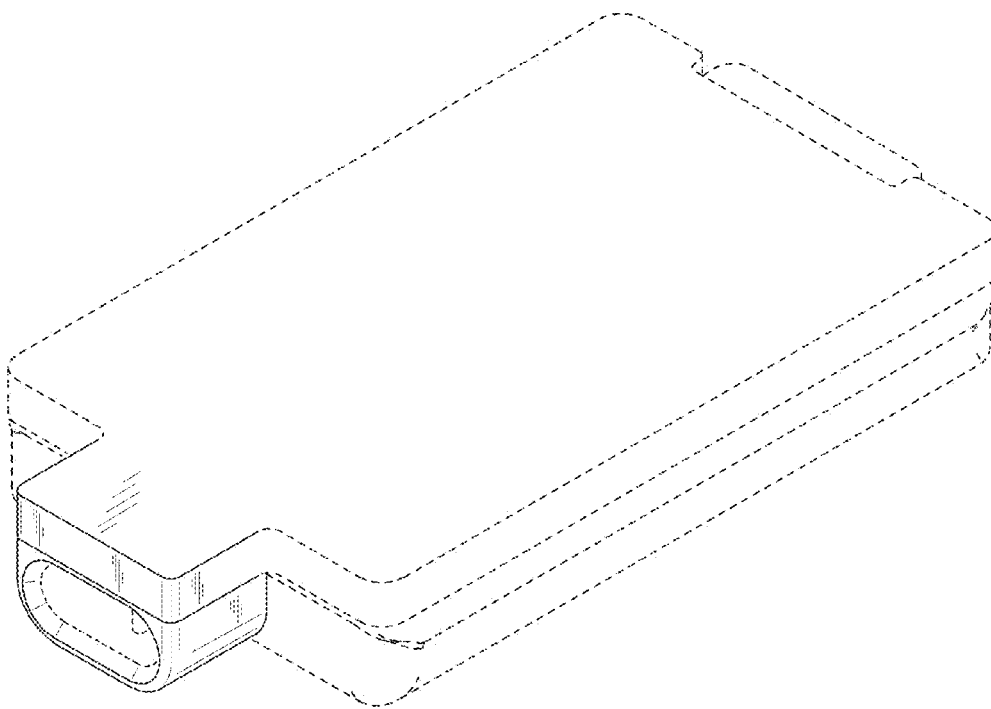
\* cited by examiner

**U.S. Patent**

**Sep. 1, 2015**

**Sheet 1 of 5**

**US D737,769 S**



**FIG.1**

**U.S. Patent**

**Sep. 1, 2015**

**Sheet 2 of 5**

**US D737,769 S**



**FIG.2**

**U.S. Patent**

**Sep. 1, 2015**

**Sheet 3 of 5**

**US D737,769 S**



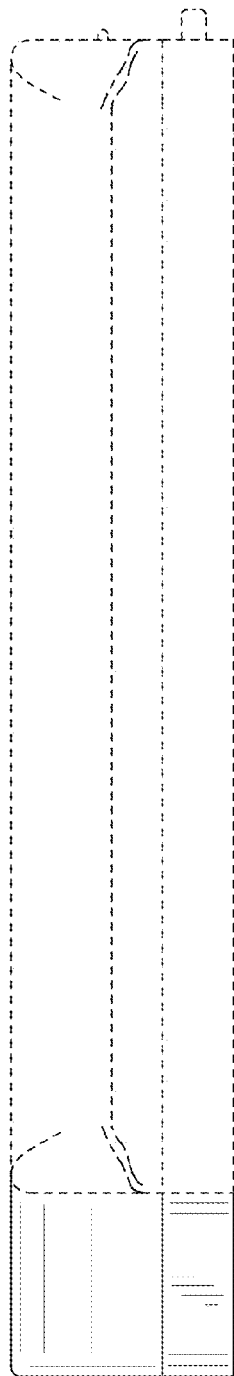
**FIG.3**

**U.S. Patent**

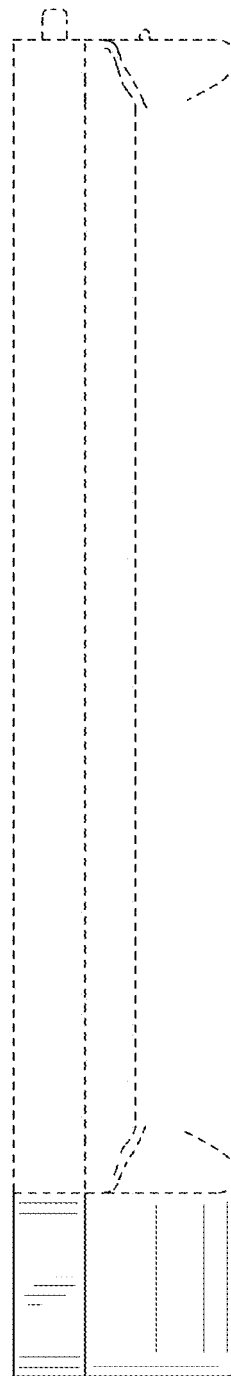
**Sep. 1, 2015**

**Sheet 4 of 5**

**US D737,769 S**



**FIG.4**



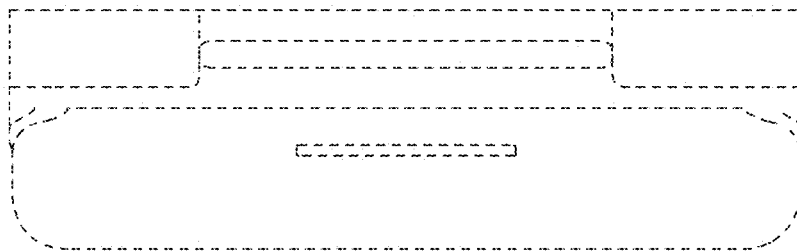
**FIG.5**

**U.S. Patent**

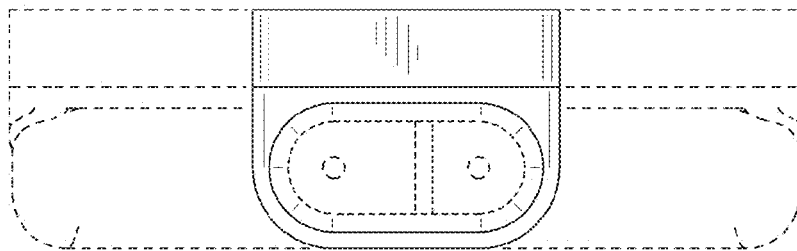
**Sep. 1, 2015**

**Sheet 5 of 5**

**US D737,769 S**



**FIG.6**



**FIG.7**